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ETHIS TRADEWART		Thompson Coburn LLP	
	(PCT Article 18 and Rules 43 and 44)	(To control of the second seco	
Applicant's or agent's file reference 41482/29066		of Transmittal of International Search Report 20) as well as, where applicable, item 5 below.	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/US 01/32283	16/10/2001	28/11/2000	
Applicant			
ACTADIC LLC			
ASTARIS LLC			
<u></u>			
	as been prepared by this International Searching Aut eing transmitted to the International Bureau.	hority and is transmitted to the applicant	
	nsists of a total of <u>2</u> sheets.	- const	
X It is also accompar	ied by a copy of each prior art document cited in this	s report.	
1. Basis of the report			
•	e, the international search was carried out on the ba	isis of the international application in the	
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language in which it was fil	ed, unless otherwise indicated under this item.		
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A. CLASSI	FICATION OF SUBJECT MATTER C09K21/14 A62D1/00 C23F11				
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	o international Patent Classification (IPC) or to both national class	fication and IPC			
	SEARCHED ocumentation searched (classification system followed by classific	ation symbols)			
IPC 7	A62D C09K C23F				
Documenta	tion searched other than minimum documentation to the extent the	at such documents are included in t	he lields searched		
E 1	lata base consulted during the international search (name of data	hass and where practical courses	termo ucod)		
	iternal, WPI Data, PAJ				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No		
A	US 4 822 524 A (STRICKLAND BRUC 18 April 1989 (1989-04-18)	EG)	1-4, 9-13, 15-17, 23,24, 26,27, 32, 34-36, 42-44, 50-53, 55-57		
A	the whole document GB 2 013 168 A (FOSPUR LTD) 8 August 1979 (1979-08-08) the whole document 		63,64, 67,68		
Fui	ther documents are listed in the continuation of box C.	X Patent family member	rs are listed in annex.		
'A' docun cons 'E' earlier filing 'L' docun whic citati 'O' docur othe 'P' docur	categories of cited documents : nent defining the general state of the art which is not idered to be of particular relevance r document but published on or after the international date nent which may throw doubts on priority claim(s) or h is cited to establish the publication date of another on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or r means nent published prior to the international filing date but than the priority date claimed	cited to únderstand the pr invention *X* document of particular rele cannot be considered nov involve an inventive step v *Y* document of particular rele cannot be considered to in document is combined wil	conflict with the application but inciple or theory underlying the vance; the claimed invention rel or cannot be considered to when the document is taken alone vance; the claimed invention nvolve an inventive step when the th one or more other such docu- being obvious to a person skilled		
Date of th	e actual completion of the international search	Date of mailing of the inte	rnational search report		
	5 June 2002	12/06/2002	12/06/2002		
Name and	d mailing address of the ISA	Authorized officer			
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk				

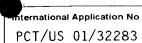
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INTENATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4822524	A	18-04-1989	CA	1309213 A1	27-10-1992
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